

Representation of Multi-Dimensional Information (CROMDI)

U N I V E R S I T Y O F U T A H

CENTER

CROMDI was established in 2000 and has completed its final year as a Center, delivering technologies that facilitate the rapid and accurate analysis of large quantities of complex and quickly changing data. A crucial capability is the ability to correlate many seemingly unrelated inputs to identify a developing problem before it is a disaster. Areas of opportunity include process control, vehicle operation and traffic control, corporate management, quality assurance, medical visualization and network monitoring. Current successes include medical visualization, computer network security, homeland security and infrastructure security.

TECHNOLOGY

CROMDI's work is being commercialized in two key areas, the medical visualization and the security visualization industries. In the security industry, the VisAlert product is a visual data analysis tool that aids in the detection, diagnosis and remedy of computer security events across multiple logs. The visual paradigm correlates all information through the use of a plug-in architecture (new alert types and sensors can easily be integrated) and with

the "W⁴" paradigm, the *what*, *where*, *when*, and *who* of a network alert.

Before
Vs
After



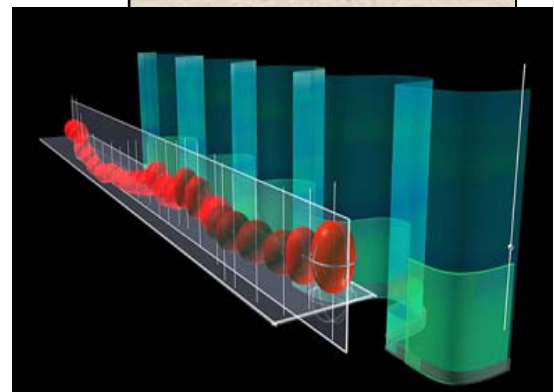
ACCOMPLISHMENTS

With two issued and many pending patents and disclosures, CROMDI has launched two spinout companies, Medvis (medvis.com), a 5 person company in the medical visualization industry, and Intellivis (intellivis.com) a new startup in the security visualization industry. CROMDI has received over \$5million in other contracts and grants and is being well received in the intelligence, military, and ISP communities.

THINK TANK

What if there was...

A way to help identify clusters of food born illness as they develop instead of after the fact? What if the same technology could help Railroads easily see when problems (or rail cars) begin piling up anywhere in the country?



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